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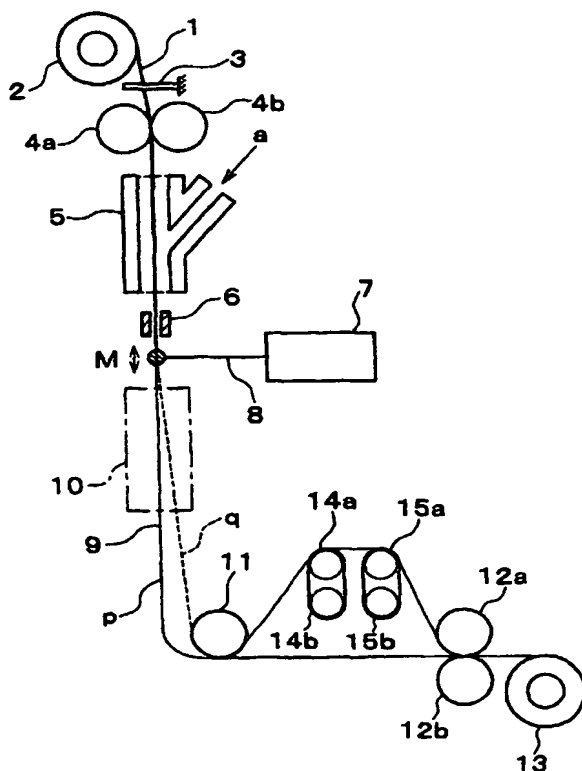
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(54) Title: HIGHLY ORIENTED SUPER MICROFILAMENTS



(57) **Abstract:** Method of and apparatus for continuously manufacturing highly oriented super micro filaments with a diameter of 5  $\mu$ m or less from most of thermoplastic polymers stably by a simple and convenient means without requiring any special apparatus of high accuracy and high level, characterized in original filaments supplied from a filament supply means are heated by infrared beams and the heated filaments are drawn by tension provided by their own weight or under an applied tension of 1 MPa or less, and are drawn to 1000 times or more.